

## Certificate of Electronic Filing Under 37 C.F.R. § 1.8

I hereby certify that this correspondence is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4):

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on November 21, 2011  
Date

/David A. Tucker/

Signature

David A. Tucker

Typed or printed name of person signing Certificate

27,840

Registration Number, if applicable

(617) 517-5508

Telephone Number

Note: Each paper must have its own certificate of mailing.

Amendment (24 pages)  
Transmittal (1 page)